



# Brightwater

T R E A T M E N T S Y S T E M

## King County to host technical seminar series

Responding to citizen requests for more technical information on the Brightwater project, King County plans to hold three technical seminars in June, July and August.

For a schedule of technical seminars, please see Page 3

The technical seminars will provide a means to publicly share new and updated information on the

Brightwater project that may not have been available before the November 2002 release of the Brightwater Draft Environmental Impact Statement, or EIS.

The seminars will coincide with the release of new technical memos, reports, and other materials on issues of community concern, such as odor control, groundwater, environmental protection, safety, and traffic. These materials will be available before the seminars so the public can review the information and prepare questions or

comments. The seminars will also provide a forum for public comment.

"The idea is to give the public a look at what's going into the Final EIS before it is released later this year, and to provide a meaningful way for people to give us feedback on this information," said Christie True, Manager of the Major Capital Improvements Program.

Each seminar will fall within a 30-day review period during which community members are invited to submit comments or questions that will be considered by Brightwater project team leads preparing the Final EIS.

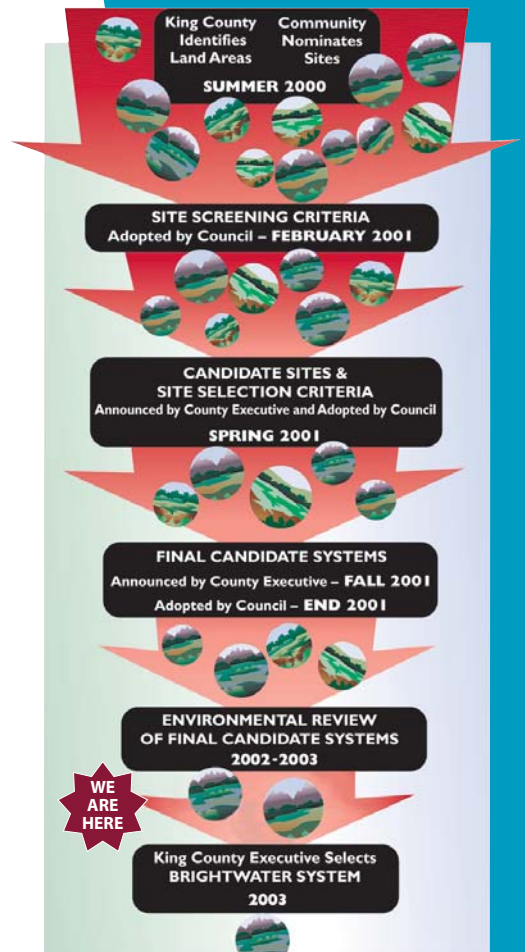
The seminars go beyond applicable environmental requirements that affect siting Brightwater. Although individual comments will not get a specific response in the Final EIS, comments received during each comment period will be considered by

*Continued on Page 2*

### INSIDE:

Milestones and Events...3

The land down under – Brightwater's conveyance pipelines...5



### Project Update

- Technical Seminars scheduled this Summer (see article)
- Final Environmental Impact Statement available in November, 2003
- Decision on Brightwater Dec. 2003
- Opportunities to be involved in design and construction in 2004 and beyond

### Project Web Site

Learn more about the project and important decision-making milestones by visiting us at <http://dnr.metrokc.gov/wtd/brightwater/>



**King County**

Department of Natural Resources and Parks  
**Wastewater Treatment Division**



King County's first technical seminar, Outfall Update, will take place on Saturday, June 7 in Shoreline. Scientists will present information on both outfall sites under consideration, and discuss technical details about construction methods, marine research, habitats, and water quality.



Three technical seminars will be held in June, July and August. These seminars will cover issues related to the treatment plant, conveyance pipeline, and marine outfall, including odor control, groundwater, and much more. For a seminar schedule, please see Page 3.

*Continued from front page*

the Brightwater project team and will be addressed in the appropriate sections of the Final EIS. Comments received after Sept. 5, 2003, the end of the period for comments on the technical papers, will be considered in the permitting, design and construction phases of the project.

The purpose of the seminars is to have experts present detailed technical data, so the public should expect the information to be relatively complex. However, anyone with an interest in science and engineering, and a willingness to learn, should find the information accessible. Project staff will also be available to answer questions.

The first seminar will take place in Shoreline on Saturday, June 7. King County's team of scientists and engineers gathering information and developing alternatives for the marine outfall will discuss construction methods, potential impacts, safety, and environmental health.

The second seminar, Treatment Plant and Conveyance Update, will be held on Saturday, July 19 at UW Bothell Campus. It will begin with a presentation on the public policy behind the Brightwater site selection


process. Several other topics ranging from odor control and air quality to treatment plant processes and conveyance routes will be covered in sessions throughout the day.

The third seminar, Scientific and Engineering Studies, will cover geology, groundwater, surface water, traffic impacts, dewatering, and construction methods. It is scheduled to take place on Saturday, August 16, at UW Bothell Campus.

Because of the complexity of the information being presented, the program sessions will be intensive, beginning around 9 a.m. and running through the afternoon. However, presentations will be structured so people can choose specific sessions of interest if they don't want to attend the entire event.

For community convenience, lunch and licensed child care will be provided at all three seminars.

More information on the seminars, including how to access the technical reports, is available on our Web site: <http://dnr.metrokc.gov/wtd/brightwater/>

People can also call the Brightwater project team at 206-684-6799, toll-free at 1-888-707-8571, or 711 (TTY) to request information, including arranging reasonable accommodations for people with disabilities. 

## Milestones and Events

### Executive Advisory Committee



In February 2003, the Brightwater Executive Advisory Committee held its final meeting. The EAC served in an advisory role to Snohomish County Executive Bob Drewel and King County Executive Ron Sims. The committee helped develop the policy siting criteria and advised the executives on policy issues and regional concerns.

### Basset Bash



On Saturday, March 29, the Wastewater Treatment Division sponsored an information booth at Celebrate Woodinville's Basset Bash. Staff were available to answer questions on the Brightwater project, and as part of the canine-centric event, to promote animal adoption from King County's local animal shelters.

## Learn what's new in 2003 – Attend a Brightwater TECHNICAL SEMINAR

**Saturday, June 7**

**9 a.m. – 1:30 p.m.**

### **OUTFALL UPDATE**

Shoreline Conference Center  
18560 First Ave. N.E.  
Shoreline

Technical documents  
available May 30, 2003

Comment period closes  
June 30, 2003

**Saturday, July 19**

**9 a.m. – 5 p.m.**

### **TREATMENT PLANT AND CONVEYANCE UPDATE**

University of Washington –  
Bothell, Building UW 2 –  
18115 Campus Way N.E.  
Bothell

Technical documents  
available July 5, 2003

Comment period closes  
Aug. 4, 2003

**Saturday, Aug. 16**

**9 a.m. – 5p.m.**

### **SCIENTIFIC AND ENGINEERING STUDIES, featuring groundwater, construction methods, traffic impacts, and more.**

University of Washington –  
Bothell, Building UW 2 –  
18115 Campus Way N.E.  
Bothell

Technical documents  
available Aug. 5, 2003

Comment period closes  
Sept. 5, 2003

View seminar-related technical material and learn how to submit comments on our Web site:  
<http://dnr.metrokc.gov/wtd/brightwater/seminars/>

## Get involved in Brightwater

Come to a technical seminar and learn about the science and engineering behind the project (see Page 3).

Invite us out to talk with your group.

Visit our Web site or call King County. (See below)

## Send us your comments, concerns or ideas.

### E-mail

brightwater@metrokc.gov

### Phone

206-684-6799,  
toll-free at 1-888-707-8571

### Web site

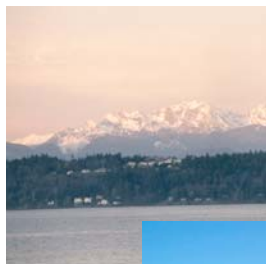
[http://dnr.metrokc.gov/  
wtd/brightwater/](http://dnr.metrokc.gov/wtd/brightwater/)

### Fax

206-684-1741

### Mail

King County Department of  
Natural Resources and Parks  
Wastewater Treatment Division  
KSC-NR-0503, 201 S. Jackson St  
Seattle, WA 98104-3855



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



## BUSINESS REPLY MAIL

FIRST-CLASS MAIL PERMIT NO.168 SEATTLE, WA

POSTAGE WILL BE PAID BY THE ADDRESSEE



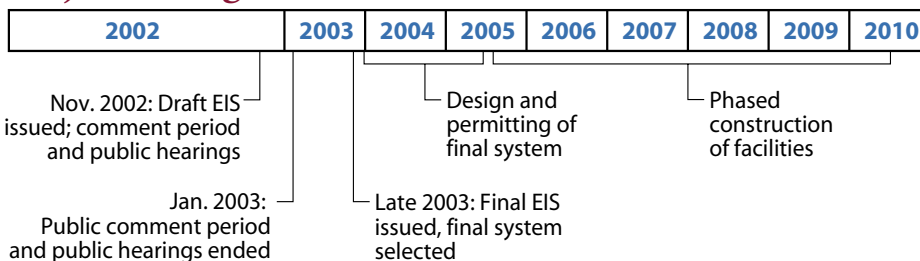
DEPARTMENT OF NATURAL RESOURCES AND PARKS  
WASTEWATER TREATMENT DIVISION  
KSC-NR-0503, 201 S JACKSON ST  
SEATTLE, WA 98104-9972



FOLD ON DASHED LINE AND TAPE SHUT. PLEASE DO NOT STAPLE.

The Brightwater team values community opinions, suggestions and ideas around many aspects of the project. Do you have ideas for workshops or seminars? Is there a topic you'd like us to cover in the newsletter? Do you have an architectural design concept you'd like to share? Please let us know.

## Projected Brightwater Timeline



## The land down under – Brightwater's conveyance pipelines

Say “Brightwater,” and many people think of a wastewater treatment plant. However, the treatment plant is just one component of the Brightwater project. Brightwater will also include a system of underground pipelines to carry wastewater to and from the plant as part of the wastewater treatment process.

Community interest in the conveyance aspect of the project has been on the upswing, especially since January when King County's Wastewater Treatment Division began geotechnical work to gather soil and groundwater samples. Some community members have received notification fliers about geotechnical borings taking place near their workplace or home. Others have seen the crews in action, using drill rigs to take soil and groundwater samples, which project engineers and geologists will study as they work to determine the precise tunnel routes and depths.

While all this makes for interesting science, what most people in the community want to know is how the building of the pipelines could affect residents, business owners, and neighborhoods on or near the pipeline route.

When construction begins in 2005, the conveyance pipeline will be a substantial public works project. A 12-20 mile pipeline system, about 14-25 feet in diameter, will run beneath sections of north King and south Snohomish counties.


To put this in perspective, King County already has about 250 miles of underground wastewater

conveyance pipelines throughout its service area. Factor in those belonging to local sewerage agencies, and that number grows even higher.

Many people living or working along the route will not even be aware the pipeline construction is taking place. Much of the pipeline will be underground, deep beneath public areas such as streets or public rights of way, so impacts along much of the route will be minimal or nonexistent. Tunnels could range from 30-455 feet below the surface.

Where the community should expect to encounter conveyance-related construction impacts is at the portal sites, which are one-to two-acre areas where workers can access the tunnels. Presently, engineers estimate as few as four portals will be needed along the pipeline alternative selected.

At the portal sites, common impacts would be noise, dust and vehicle emissions, traffic, road closures, and possible vibration. King County will work with each local jurisdiction where a portal is sited to address these possible impacts and determine appropriate mitigation during the permitting process. To build the portals, King County will need to buy parcels of property at the selected sites. A final decision on where to build the portals is yet to be made.

For more information about conveyance, or about the tunneling project, please contact the Brightwater project team. 



Tunnel boring machine equipment is lowered underground to begin its burrowing journey of 1.2 miles under busy Seattle streets during King County's Denny CSO project in 2001. With laser guided computer systems and earth-pressure balance tunneling technology, today's tunneling machines can build pipelines without impacting surface streets or structures.



As the tunnel machine bores through the earth, workers follow behind laying concrete tunnel liners. In total, the Brightwater tunnel boring machine and associated equipment will be nearly 300 feet long and require a crew of seven or eight people. Brightwater's conveyance pipelines could reach depths of up to 455 feet.



# Brightwater

T R E A T M E N T   S Y S T E M

## Inside This Issue



- King County to host technical seminars
- Milestones and Events
- The land down under – Brightwater's conveyance pipelines



Produced by the King County  
Department of Natural  
Resources and Parks  
SECOND QUARTER 2003  
0304BWnewsletterQ2.p65 wgab

This material is provided in  
alternative formats for  
individuals with disabilities on  
request by calling the  
Wastewater Treatment Division  
at 206-684-1280 or 711 TTY.

**Department of  
Natural Resources and Parks**  
**Wastewater Treatment Division**  
King Street Center  
KSC-NR-0503, 201 S. Jackson St.  
Seattle, WA 98104-3855



PRESORTED  
STANDARD  
U.S. POSTAGE  
**PAID**  
SEATTLE, WA  
PERMIT NO. 836